

**Segment ID:** 2204      **Water body name:** Petronila Creek Above Tidal

Freshwater Stream

Nueces-Rio Grande Coastal Basin

Total size:

44

Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**Aquatic Life Use**

2002	Dissolved Oxygen grab average	No Concern	Lower 25 miles of segment	25	16	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower 25 miles of segment	25	16	1	
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower 25 miles of segment	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 25 miles of segment	25	0		
2002	Acute Metals in water	No Concern-Limited Data	Lower 25 miles of segment	25	6	0	
2002	Chronic Metals in water	No Concern-Limited Data	Lower 25 miles of segment	25	6		
2002	Overall Aquatic Life Use	Fully Supporting	Lower 25 miles of segment	25			
2002	Overall Aquatic Life Use	Not Assessed	Upper 19 miles of segment	19			

**Contact Recreation Use**

2002	E. coli single sample	Not Assessed	Lower 25 miles of segment	25	0		
2002	E. coli geometric mean	Not Assessed	Lower 25 miles of segment	25	0		
2002	Fecal coliform single sample	Fully Supporting	Lower 25 miles of segment	25	15	0	
2002	Fecal coliform geometric mean	Fully Supporting	Lower 25 miles of segment	25	15		36
2002	Overall Recreation Use	Fully Supporting	Lower 25 miles of segment	25			
2002	Overall Recreation Use	Not Assessed	Upper 19 miles of segment	19			

**General Use**

2002	Water Temperature	Fully Supporting	Lower 25 miles of segment	25	16	0	
2002	pH	Fully Supporting	Lower 25 miles of segment	25	16	0	

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**General Use** (continued)

2002	Chloride	Not Supporting	Lower 25 miles of segment	25	20		5,117
2002	Chloride	Not Supporting	Upper 19 miles of segment	19	20		5,117
2002	Sulfate	Not Supporting	Lower 25 miles of segment	25	20		852
2002	Sulfate	Not Supporting	Upper 19 miles of segment	19	20		852
2002	Total Dissolved Solids	Not Supporting	Lower 25 miles of segment	25	26		11,545
2002	Total Dissolved Solids	Not Supporting	Upper 19 miles of segment	19	26		11,545
2002	Overall General Use	Not Supporting	Lower 25 miles of segment	25			
2002	Overall General Use	Not Supporting	Upper 19 miles of segment	19			

**Fish Consumption Use**

2002	Human Health Criteria Chromium	No Concern-Limited Data	Lower 25 miles of segment	25	6		4.3
2002	Human Health Criteria Lead	No Concern-Limited Data	Lower 25 miles of segment	25	6		5.6
2002	Overall Fish Consumption Use	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Fish Consumption Use	Not Assessed	Upper 19 miles of segment	19			

**Overall Use Support**

2002		Not Supporting	Lower 25 miles of segment	25			
2002		Not Supporting	Upper 19 miles of segment	19			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	No Concern	Lower 25 miles of segment	25	20	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 25 miles of segment	25	20	0	

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**Nutrient Enrichment Concern** (continued)

2002	Orthophosphorus	No Concern	Lower 25 miles of segment	25	18	0	
2002	Total Phosphorus	No Concern	Lower 25 miles of segment	25	20	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 25 miles of segment	25			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upper 19 miles of segment	19			

**Algal Growth Concern**

2002	Chlorophyll a	Concern	Lower 25 miles of segment	25	20	12	
2002	Chlorophyll a	Not Assessed	Upper 19 miles of segment	19			

**Sediment Contaminants Concern**

2002	Metals in sediment	Not Assessed	Lower 25 miles of segment	25	3		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 19 miles of segment	19			

**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 19 miles of segment	19			

**Narrative Criteria Concern**

2002	Overall Narrative Criteria Concerns	No Concern	Lower 25 miles of segment	25			
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**Narrative Criteria Concern** (continued)

2002	Overall Narrative Criteria Concerns	No Concern	Upper 19 miles of segment	19			
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**Overall Secondary Concern**

2002		Concern	Lower 25 miles of segment	25			
2002		No Concern	Upper 19 miles of segment	19			